

Converting Colors

XYZ(47.8572, 58.7246, 49.3635)

Have a look what the booklet for
XYZ(47.8572, 58.7246, 49.3635)
contains.

XYZ(47.8589, 58.7282, 49.3707)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(47.8589, 58.7282,
49.3707)**

Conversions

Conversions Part 1

Format	Color
Hex	AAD4AF
RGB	170, 212, 175
RGB Percent	67%, 83%, 69%
CMY	0.3333, 0.1686, 0.3137
CMYK	0.20, 0.00, 0.17, 0.17
HSL	127°, 33%, 75%
HSV	127°, 20%, 83%
XYZ	47.8589, 58.7282, 49.3707
YIQ	195.2240, -13.1550, -20.4110

Conversions

Conversions Part 2

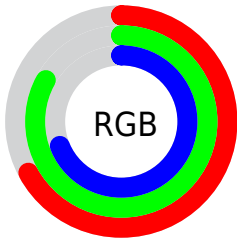
Format	Color
RYB	170, 208, 212
Decimal	11195567
CIELab	81.14, -20.93, 13.84
CIElCh	81, 25.093, 146.538
Yxy	58.7282, 0.3069, 0.3766
Android (android.graphics.Color)	4289385647 (0xFFAAD4AF)
YUV	195.2240, -9.9704, -22.1214
Hunter-Lab	76.6343, -22.6350, 15.4472

Details

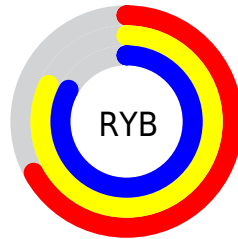
The XYZ color **47.8589, 58.7282, 49.3707** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **52.7906, 47.2528, 65.3724**, and the grayscale version is **52.0698, 54.7815, 59.6571**.

A 20% lighter version of the original color is **81.5478, 93.4583, 89.3425**, and **22.9059, 29.3010, 22.8607** is the 20% darker color. If you saturate the color by 10%, you get **41.9311, 55.8715, 40.1714**, and if you desaturate by 10%, it is **54.7827, 62.0724, 59.9435**.

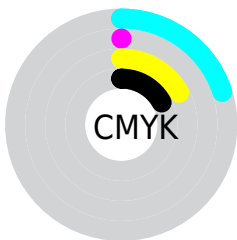
Distribution



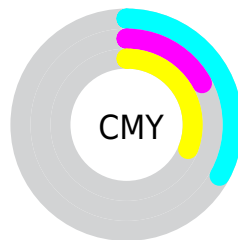
- Red (67%)
- Green (83%)
- Blue (69%)



- Red (67%)
- Yellow (82%)
- Blue (83%)



- Cyan (20%)
- Magenta (0%)
- Yellow (17%)
- Black (17%)



- Cyan (33%)
- Magenta (17%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.8589, 58.7282, 49.3707 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 47.8589, 58.7282, 49.3707 by changing the saturation by 10% instead.

■ 47.8589, 58.7282,
49.3707

■ 47.8589, 58.7282,
49.3707

368.8245,
419.8939, 400.8642

■ 33.9259, 42.3944,
34.5460

■ 86.2053, 102.9825,
90.6285

■ 22.9993, 29.4102,
23.0326

111.3494,
131.6718, 117.8986

■ 14.7137, 19.3914,
14.4120

140.9612,
165.2484, 150.1542

■ 8.7037, 11.9534,
8.2658

175.4062,
204.0966, 187.8139

■ 4.6040, 6.7120,
4.1753

215.0497,
248.6008, 231.2962

■ 2.0492, 3.2826,
1.7220

260.2570,

■ 0.6614, 1.2810,

299.1455, 281.0197

0.3757

311.3935,
356.1151, 337.4028

■ 0.0000, 0.1264,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 47.8589, 58.7282,
49.3707

■ 47.8589, 58.7282,
49.3707

■ 41.9311, 55.8715,
40.1714

■ 54.7827, 62.0724,
59.9435

■ 36.9488, 53.4724,
32.2855

■ 62.7405, 65.9176,
71.9388

■ 32.8642, 51.5093,
25.6542

■ 71.7742, 70.2858,
85.4080

■ 29.6237, 49.9558,
20.2129

■ 81.9217, 75.1957,
100.3988

■ 27.1675, 48.7827,
15.8911

■ 82.8347, 75.5693,
104.8282

■ 25.4281, 47.9568,
12.6107

■ 24.3264, 47.4392,
10.2838

■ 23.7315, 47.1646,
8.8063

■ 23.7227, 47.1605,
8.7859

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



51.4547, 58.7282, 41.5247



47.8589, 58.7282, 49.3707



46.3895, 58.7282, 62.2249

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



47.8589, 58.7282, 49.3707



55.2155, 58.7282, 97.1376



65.2875, 58.7282, 51.9444

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



47.8589, 58.7282, 49.3707



52.7906, 47.2528, 65.3724

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



66.4477, 58.7282, 65.6965



47.8589, 58.7282, 49.3707



60.4242, 58.7282, 93.2582

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



47.8589, 58.7282, 49.3707



50.4668, 58.7282, 91.0437



64.6170, 58.7282, 81.1377



61.5377, 58.7282, 42.8400

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



47.8589, 58.7282, 49.3707



46.7411, 58.7282, 72.4798



64.6170, 58.7282, 81.1377



66.0030, 58.7282, 56.1080

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



47.8605, 58.7307, 49.3720



87.5486, 96.3749, 97.6160



56.5617, 63.2720, 47.2623



18.5719, 20.5474, 20.6414



0.0000, 0.0000, 0.0000



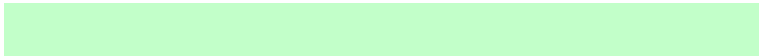
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



47.8605, 58.7307, 49.3720



68.5096, 87.1840, 68.5288



50.0752, 59.6166, 61.0348



12.3220, 13.9198, 13.5099



14.6639, 29.1209, 5.5259



0.9049, 1.7646, 0.4411

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



52.7906, 47.2528, 65.3724



77.3862, 66.5142, 97.3342



50.4015, 46.2971, 52.7913



12.8864, 12.6061, 15.3420



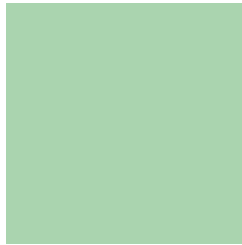
22.3081, 10.8596, 29.9901



1.3639, 0.6624, 1.9057

Previews

White Background



This preview shows how the XYZ color 47.8589, 58.7282, 49.3707 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 47.8589, 58.7282, 49.3707 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

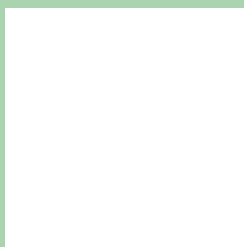
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.8589, 58.7282, 49.3707

Background



This preview shows how black text looks on a background with the XYZ color 47.8589, 58.7282, 49.3707.



This preview shows how white text looks on a background with the XYZ color 47.8589, 58.7282,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

47.8589, 58.7282, 49.3707

Protanopia

55.1995, 58.6349, 45.9445

Deuteranopia

59.4234, 58.3322, 50.7751



Tritanopia

53.3762, 58.4015, 77.5666

Trichromacy



Original Color

47.8589, 58.7282, 49.3707

Protanomaly

52.2080, 58.4732, 47.0629

Deuteranomaly

54.6547, 58.2530, 50.4828

Tritanomaly

51.2545, 58.6335, 66.3736

Monochromacy



Original Color

47.8589, 58.7282, 49.3707

Achromatopsia

51.8711, 54.5724, 59.4294

Achromatomaly

50.2134, 55.8432, 55.7092

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.8589, 58.7282, 49.3707 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(170, 212, 175)` looks like.

```
.text, #text, p{  
    color:rgb(170, 212, 175)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(170, 212, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 212, 175) }
```

Border

The CSS property to change the border of an element to XYZ 47.8589, 58.7282, 49.3707 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(170, 212, 175) }
```


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(170, 212, 175) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(170, 212, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 212, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 212, 175);  
box-shadow:4px 4px 4px 4px rgb(170, 212,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 47.8589, 58.7282, 49.3707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 212, 175) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(170,  
212, 175) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor